IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposed in to deepen or plug back, give data on proposed productive zone and proposed new productive zone. If proposal is to drill or deepen directional, give pertinent data on subsurface location and measure and true vertical depths. Give blowout preventer program, if any

Agent TITLE DATE SIGNATURE 709 PERMIT NO. APPROVAL DATE BRADLEY G. HILL

\*See Instructions on Reverse Side

APPROVED BY TIENVIRONMENTAL SCIENTIST IIL CONDITIONS OF APPROVAL IS AN

Title 18 U. S. C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the

02-09-06

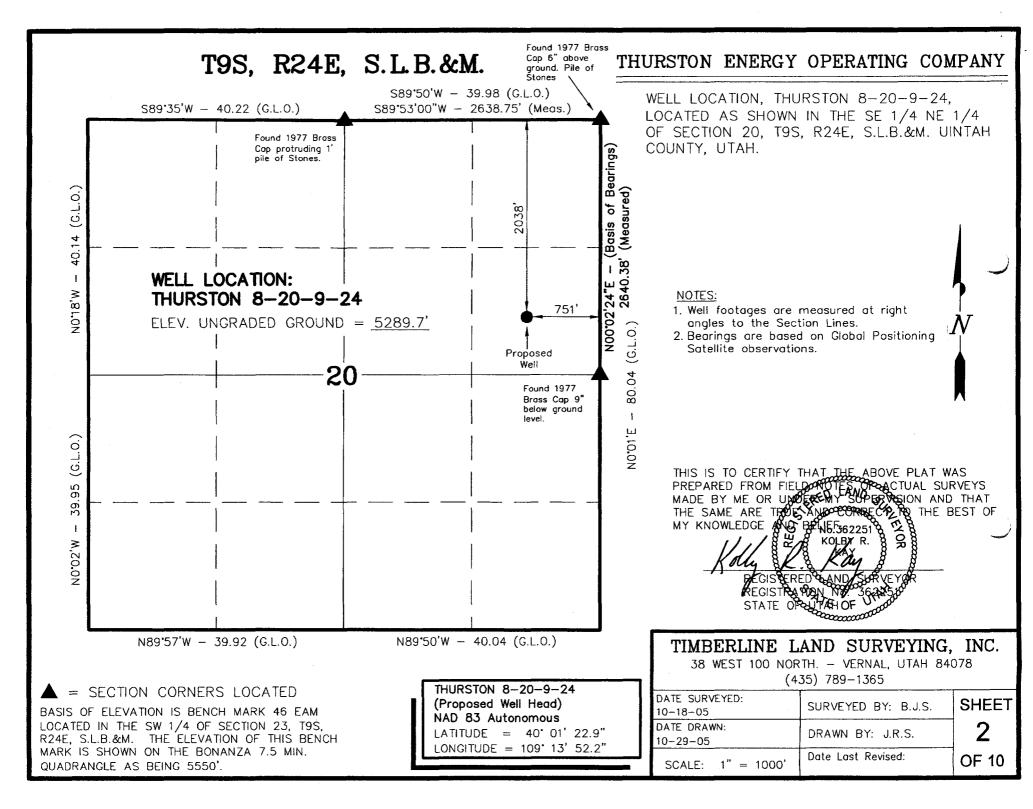
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FEB 0 6 2006

DATE

United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Federal Approval of this Action is Necessary DIV. OF OIL, GAS & MINING



#### **SELF-CERTIFICATION STATEMENT**

The following self-certification statement is provided per Federal requirements dated June 15, 1988.

Please be advised that The Thurston Energy Operating Company are considered to be the operator of the following well.

Thurston 8-20-9-24 Section 20, T.9S, R. 24 E. SE ¼, NE ¼, Lease U-31266 Uintah County, Utah

The Thurston Energy Operating Company is responsible under the terms and conditions of the lease for the operations conducted upon the lease lands.

Bond UTB-000181 provides state-wide bond coverage on all Federal lands.

William A. Ryan

Agent

**Rocky Mountain Consulting** 

290 S. 800 E.

Vernal UT 84078

435-789-0968 Office

435-828-0968 Cell

435-789-0970 Fax

rmcwar@hotmail.com

#### Ten Point Plan

#### **Thurston Energy Operating Company**

#### Thurston 8-20-9-24

Surface Location SE ¼ NE ¼, Section 20, T. 9S., R. 24E.

#### 1. Surface Formation

Green River

#### 2. Estimated Formation Tops and Datum:

Formation	Depth	Datum
Green River	Surface	+5,288' G.L.
Wasatch	4,330	+958'
Mesaverda	6,010	-722'
Sago	8,050	-2,762'
TD	8,000	-2,712'

A 11" hole will be drilled to 2,000' +/-. The hole depth will depend on the depth that the Birds Nest Zone is encountered. The hole will be drilled 400' beyond the top of the Birds Nest.

#### 3. Producing Formation Depth:

Formation objective includes the Green River, Wasatch, Mesaverde and its submembers.

#### Off Set Well information:

#### Permitted/Drilled:

Thurston #13-20-9-24

**Abandon Wells:** 

PTS Beehive #11-20

Shut in Well:

Dirty Devil Fed. #23-20

Dirty Devil Unit #11-29

**Producing Wells:** 

Devils Playground #23-17

#### 4. Proposed Casing:

Hole	Casing			Coupling	Casing	
<u>Size</u>	<u>Size</u>	Weight/FT	<u>Grade</u>	& Tread	<u>Depth</u>	New/Used
11"	9 5/8"	36#	J-55	STC	2000	NEW
7 7/8"	5 ½"	1 <i>7</i> #	N-80	LTC	T.D.	NEW

#### **Cement Program:**

#### **Cement volume = Gauge hole + 25%**

#### The Surface Casing will be cemented from 2000' to the Surface as follows:

Cas <u>Size</u>	_	Casing <u>Depth</u>	Cement Type	Cement Amounts	Cement <u>Yield</u>	Cement Weight
Top Job	o: 14"	As required	Class "G"	35 sks. +/-	1.18ft³/sk	15.6 ppg
Lead:	9 5/8	surface-1400'	Premium "5"	53 sks. +/-	3.82ft³/sk	11.0 ppg
Tail:	9 5/8	1400'-2000'	Premium "5"	92 sks. +/-	1.18ft³/sk	15.6 ppg
NOTE:			2002			

## Cement top for tail = Trona + 200'

#### Production casing will be cemented to 200' inside surface casing or higher as follows:

	Casing <u>Size</u>	Casing <u>Depth</u>	Cement Type	Cement Amounts	Cement <u>Yield</u>	Cement Weight
Lead	: 5 1/2	1800'-4130'	Premium "5"	436 sks +/-	3.82ft³/sk	11.0 ppg
Tail:	5 1/2	4130'-TD	Premium "5"	372 sks +/-	1.18ft³/sk	15.6 ppg

NOTE:

Cement top for tail = Wasatch + 200'

#### 5. BOP and Pressure Containment Data:

The anticipated bottom hole pressure will be less than 3000 psi.

A 3000-psi WP BOP system as described in the BOP and Pressure Containment Data (attached) will be installed and maintained from the 9 5/8" surface casing. The BOP system including the casing will be pressure tested to minimum standards set forth in "On Shore Order #2". The BOP will be mechanically checked daily during the drilling operation.

#### 6. Mud Program:

Interval	Mud weight lbs./gal.	Viscosity Sec./OT.	Fluid Loss Ml/30 Mins.	Mud Type
40-2000	Air/Clear Water 8.4-12.0	NA	No Control	Air/Water
2000-T.D.		35-45	20-8	LSND

#### 7. Auxiliary Equipment

Upper Kelly cock, full opening stabbing valve, 2 ½" choke manifold and pit level indicator.

#### 8. Testing, Coring, Sampling and Logging:

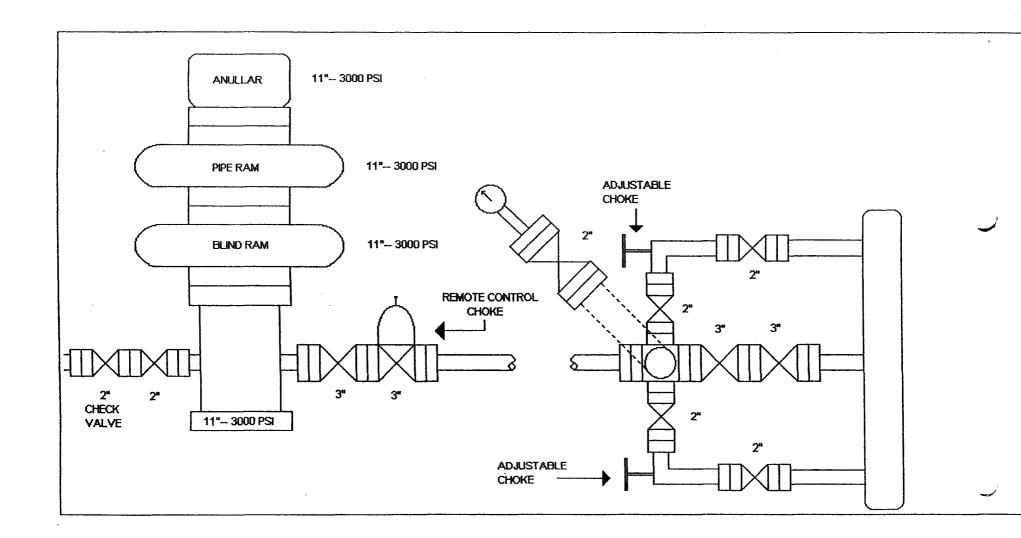
a)	Test:	None are anticipated.		
b)	Coring:	There is the possibility of sidewall coring.		
c)	Sampling:	Every 10' from 2000' to T.D.	).	
d)	Logging:	Type DLL/SFL W/GR and SP FDC/CNL W/GR and CAL	Interval T.D. to Surf. Csg T.D. to Surf. Csg	

#### 9. Abnormalities (including sour gas):

No abnormal pressures, temperatures or other hazards are anticipated. Oil and gas shows are anticipated in the Wasatch Formation. Other wells drilled in the area have not encountered over pressured zones or H2S.

#### 10. Drilling Schedule:

The anticipated starting date is  $\underline{4/3}/06$ . Duration of operations is expected to be 30 days.



# THURSTON ENERGY OPERATING COMPANY 13 POINT SURFACE USE PLAN

**FOR WELL** 

**THURSTON 8-20-9-24** 

LOCATED IN SE ¼ NE ¼

**SECTION 20, T.9S, R24E, S.L.B.&M.** 

**UINTAH COUNTY, UTAH** 

**LEASE NUMBER: U-31266** 

SURFACE OWNERSHIP: FEDERAL

#### 1. Existing Roads:

Thurston Energy Operating CO Thurston #8-20-9-24 Sec. 20, T9S, R24E

#### Starting in Vernal, Utah:

Proceed in an easterly, then southerly direction from Vernal. Utah along US Highway 40 approximately 3.3 miles to the junction of State Highway 45; exit right and proceed in a southerly direction along State Highway 45 approximately 36 miles to the junction of County B road 3410. Exit right and proceed in a westerly direction along County B road 3410 approximately 3.7 miles to the proposed access road. Follow road flags in a northeasterly direction approximately 160 feet to the proposed location.

## Total distance from Vernal, Utah to the proposed well location is approximately 43.0 miles.

All existing roads to the proposed location are State of Utah, BLM maintained or County Class D roads. Please see the attached map for additional details.

#### 2. Planned access road

The proposed access road will be approximately 160' of new construction on lease. The road will be graded once per year minimum and maintained.

A) Approximate length 160 ft

B) Right-of-Way width 30 ft C) Running surface 18 ft D) Surface material Native soil E) Maximum grade 5% F) Fence crossing None G) Culvert None H) Turnouts None I) Major cuts and fills None J) Road Flagged Yes K) Access road surface ownership L) All new construction on lease Yes M) Pipe line crossing None

Please see the attached location plat for additional details.

## An off lease Right-of-Way will not be required.

All surface disturbances for the road and location will be within the lease boundary.

#### 3. Location of existing wells

The following wells are located within a one-mile radius of the location site.

- A) Producing well Devils Playground #23-17
- B) Water well None
- C) Abandoned well PTS Beehive #11-20
- D) Temp. abandoned well None
  E) Disposal well None
- F) Drilling /Permitted well
- Thurston #13-20
  G) Shut in wells
- Dirty Devil Fed. #23-20 Dirty Devil #11-29
- H) Injection well None

  I) Monitoring or observation well
- I) Monitoring or observation well
  None

Please see the attached map for additional details.

4. Location of tank batteries, production facilities and production gathering service lines.

All production facilities are to be contained within the proposed location site. Please see the attached plat plan for a typical gas well separator installation and well site piping.

All permanent (on site for more than six months or longer) structures constructed or installed will be painted a Carlsbad Canyon color. Facilities required to comply with O.S.H.A. (Occupational Safety and Health Act) will be excluded. The required paint color is Carlsbad Canyon.

All tanks will be surrounded by a dike of sufficient capacity to contain the storage capacity of the largest tank in the battery. The integrity of the dike will be maintained.

The operator will adhere to all site security guidelines and regulation identified in 43 cfr 3126.7.

All off lease storage, off lease measurement, commingling on lease or off lease, of production, will have prior written approval form the authorized officer.

If the well is capable of economic production a surface gas line will be required.

Approximately 3,615' of 3" steel gas gathering surface pipeline would be constructed on Federal Lands. (Due to bedrock sandstone, shallow soils and a tie-in with a surface gathering system the line will not be buried.) The pipeline will tie into the existing pipeline in Sec 20, T9S, R24E. The pipeline will be strung and boomed to the northwest of the location and parallel to the access road.

An off lease Right-of-Way will not be required.

Please see the attached location diagrams for pipeline location. There will be no additional surface disturbances required for the installation of a gathering line.

The gas meter run will be located within 500' of the wellhead. The gas line will be buried or anchored down from the wellhead to the meter.

Meter runs will be housed and/or fenced.

The gas meter will be calibrated and the tank strapped in place prior to any deliveries. Tests for meter accuracy will be conducted monthly for the first three months on new meter installations and at least quarterly thereafter. The authorized officer will be provided with a date and time for the initial meter calibration and all future meterproving schedules. A copy of the meter calibration report will be submitted to the BLM's Vernal District office and State of Utah. Division of Oil, Gas, and Mining. All measurement facilities will conform to API (American

Petroleum Institute) and AGA (American Gas Association) standards for gas and liquid hydrocarbon measurement.

#### 5. Location and type of water supply

Water for drilling and cementing will come from The White River at the Bonanza Bridge, Permit # - T75376.

#### 6. Source of construction materials

All construction material for this location site and access road shall be borrow material accumulated during construction of the location site and access road. Additional road gravel or pit lining material will be obtained from private resources.

#### 7. Methods for handling waste disposal

#### A) Pit construction and liners:

The reserve pit will be approximately 12 ft. deep and most of the depth shall be below the surface of the existing ground Please see the attached plat for details.

The reserve pit will be lined.

The reserve pit will be used to store water for drilling. A semiclosed system will be used to drill the well. All fresh water for drilling will come from a frac tank placed on location and from the rig tank. The pit will be used to hold non-flammable materials such as cuttings, salt, drilling fluids, chemicals, produced fluids, etc.

#### B) Produced fluids:

Produced water will be confined to the reserve pit or, if deemed necessary, a storage tank will be used for a period not to exceed 90 days after initial production. During the 90-day period an application for approval for permanent disposal method and location will be submitted to the authorized officer.

#### C) Garbage:

A trash cage fabricated from expanded metal will be used to hold trash on location and will be removed to an authorized landfill location.

#### D) Sewage:

A portable chemical toilet will be supplied for human waste.

#### E) Site clean-up:

After the rig is moved off the location the well site area will be cleaned and all refuse removed.

#### 8. Ancillary facilities

There are no ancillary facilities planned at this time and none are foreseen for the future.

#### 9. Well-site layout

Location dimensions are as follows:

A) Pad length	345 ft
B) Pad width	260 ft
C) Pit depth	12 ft
D) Pit length	150 ft
E) Pit width	75 ft
F) Max cut	19.4 ft
G) Max fill	10.7 ft
H) Total cut yds.	7,820 cu yds
I) Pit location	South end

J) Top soil location

L) Flare Pit

North & West ends

K) Access road location

West end corner C

Please see the attached location diagram for additional details.

All pits will be fenced according to the following minimum standards:

- A) Thirty nine inch net wire shall be used with at least one strand of wire on top of the net wire. Barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence.
- B) The net wire shall be no more than 2 inches above the ground. The barbed wire shall be 3 inches above the net wire. Total height of the fence shall be at leas 42 inches.
- C) Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.

- D) Standard steel, wood or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than 16 ft.
- E) All wire shall be stretched by using a stretching device before it is attached to the corner posts.
- 10. Plans for restoration of the surface

Prior to construction of the location, the top 6 inches of soil material will be stripped off the location and the pit area. The topsoil removed and piled will amount to approximately 1,500 cubic yards of material. Topsoil will be stockpiled in one distinct pile. Placement of the topsoil is noted on the attached location plat. The topsoil pile from the location will be seeded as soon as the soil is stock piled with the seed mix listed. The topsoil will be used in the interim reclamation. When all drilling and completion activities have been completed and the pit back-filled the topsoil from the pit area will be spread on the pit area. The pit area will be seeded when the soil has been spread. The unused portion of the location (the area outside the dead men) will be reclaimed and recontoured.

The dirt contractor will be provided with an approved copy of the surface use plan prior to construction activities.

Changes to the drainage during the construction activities shall be restored to its original line of flow

or as near as possible when the pit is back-filled All disturbed areas will be recontoured to the approximate natural contours. Prior to back filling the pit the fences around the reserve pit will be removed.

The reserve pit will be reclaimed within 90 days of well completion. If the reserve pit has not dried sufficiently to allow back filling, an extension on the time requirement for back filling the pit will be requested. Once reclamation activities have begun, they shall be completed within 30 days.

After the reserve pit has been reclaimed, no depressions in the soil covering the reserve pit will be allowed. The objective is to keep seasonal rainfall and run off from seeping into the soil used to cover the reserve pit. Diversion ditches and water bars will be used to divert the run off as needed.

When restoration activities have been completed, the location site and new access road cuts and shoulders shall be reseeded. Prior to reseeding, all disturbed areas will be scarified. And left with a rough surface.

#### A) Seeding dates:

Seed will be spread when topsoil is stock piled and when reclamation work is performed.

The seed mix and quantity list will be used whether the seed is broadcast or drilled.

#### B) Interim Seed Mix:

#### 6#/acre Needle & Thread Grass 6#/acre Crested Wheat Grass

#### 11. Surface ownership:

Access road Federal Location Federal Pipe line Federal

#### 12. Other information:

#### A) Vegetation

The vegetation coverage is Slight. The majority of the existing vegetation consists of Sagebrush. Rabbit brush, Bitter Brush, and Indian Rice grass are also found on the location.

#### B) Dwellings:

There are no dwelling or other facilities within a one-mile radius of the location.

#### C) Archeology:

The location has been surveyed. A copy of that survey will be forwarded to your office.

If, during operations, any archaeological or historical sites, or any objects of antiquity (subject to the antiquities act of June 8, 1906) are discovered, all operations which would affect such sites will be suspended and the discovery reported promptly to the surface management agency.

#### D) Water:

The nearest water is the White River located approximately 5 miles to the South.

#### E) Chemicals:

No pesticides, herbicides or other possible hazardous chemicals will be used without prior application.

#### F) Notification:

- a) Location Construction
  At least forty eight (48)
  hours prior to
  construction of location
  and access roads.
- b) Location completion Prior to moving on the drilling rig.
- c) Spud notice At least twenty-four (24) hours prior to spudding the well.
- d) Casing string and cementing
  At least twenty-four (24) hours prior to running casing and cementing all casing strings.
- e) BOP and related equipment tests
  At least twenty-four (24) hours prior to initial pressure tests.
- f) First production notice Within five (5) business days after the new well begins, or production resumes after well has

been off production for more than 90 days.

#### G) Flare pit:

The flare pit will be located in **corner C** of the reserve pit out side the pit fences and 100 feet from the bore hole on the east side of the location. All fluids will be removed from the pit within 48 hours of occurrence.

## 13. Lessees or Operator's representative and certification

#### A) Representative

William A. Ryan Rocky Mountain Consulting Vernal, UT 84078

Office 435-789-0968 Fax 435-789-0970 Cellular 435-828-0968

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, onshore oil and gas orders, and any applicable notices to lessees. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative to ensure compliance.

This drilling permit will be valid for a period of one year from the date of approval.

After permit termination, a new application will be filed for

approval for any future operations.

#### B) Certification:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill-site and access route, that I am familiar with the conditions which presently exist, that the statements made in this plan are, to the best of my knowledge and belief, true and correct, and that the work associated with the operation proposed herein will be preformed by Thurston Energy Operating Company and its contractors and subcontractors in conformity with this plan and terms and conditions with this plan and the terms and conditions under which it is approved.

William to Dear

1/18/06

Date

William A. Ryan, Agent Rocky Mountain Consulting

**Onsite Dates:** 

#### Statement of use of Hazardous Materials

No chemical(s) from the EPA's consolidated list of Chemicals Subject to Reporting under Title III of the Superfund Amendments and Reauthorization, Act (SARA) of 1986 will be used, produced, transported, stored, disposed, or associated with the proposed action. No extremely hazardous substances, as defined in 40 cfr 355, will be used, produced, stored, transported, disposed, or associated with the proposed action.

If you require additional information please contact:

William A Ryan Agent for Thurston Energy Operating CO 290 S 800 E Vernal, UT 84078

435-789-0968 Office 435-828-0968 Cell

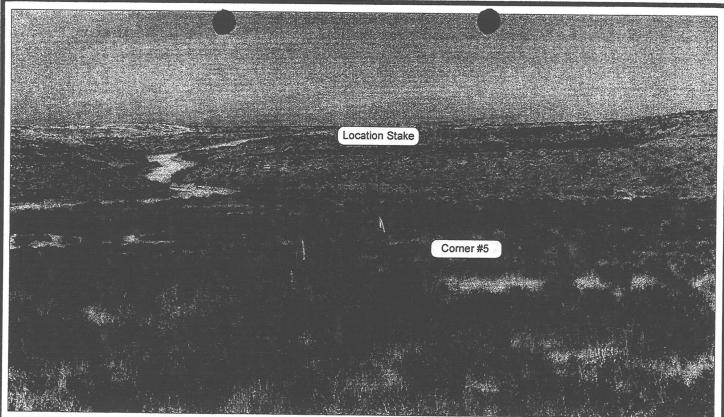


PHOTO VIEW: FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: NORTHERLY

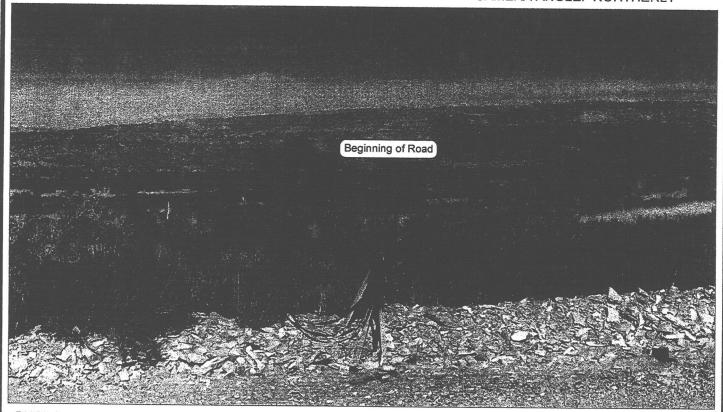


PHOTO VIEW: FROM BEGINNING OF PROPOSED ROAD

CAMERA ANGLE: NORTHEASTERLY

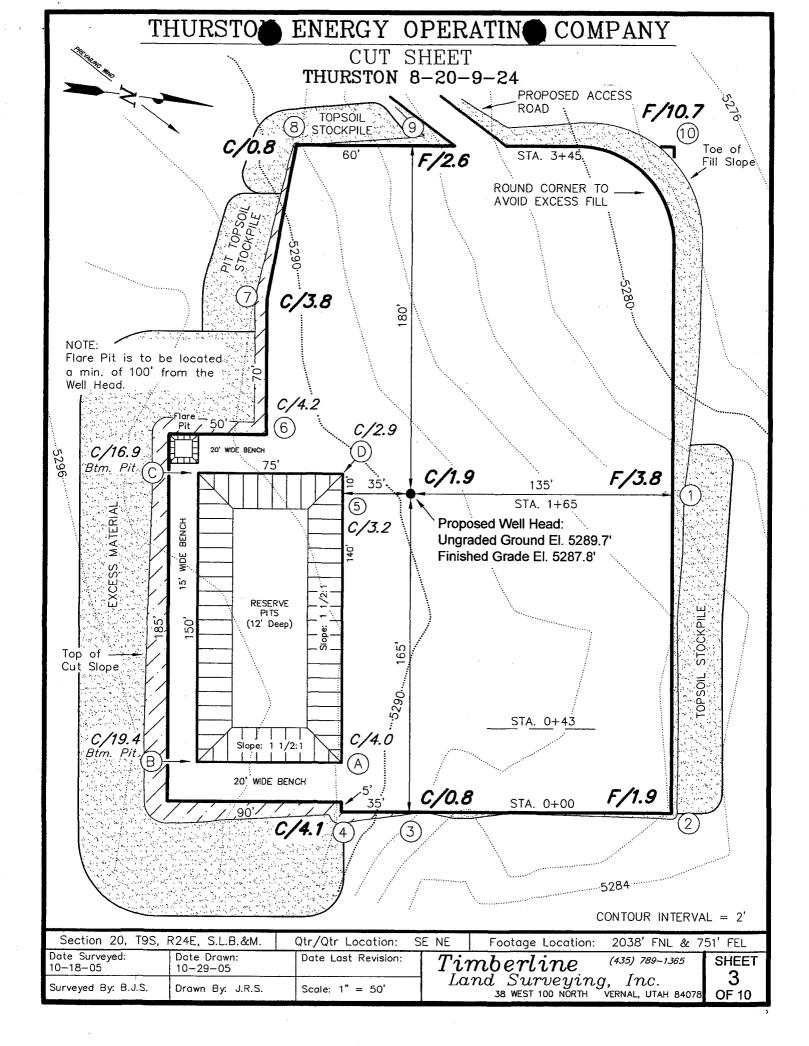
#### THURSTON ENERGY OPERATING COMPANY

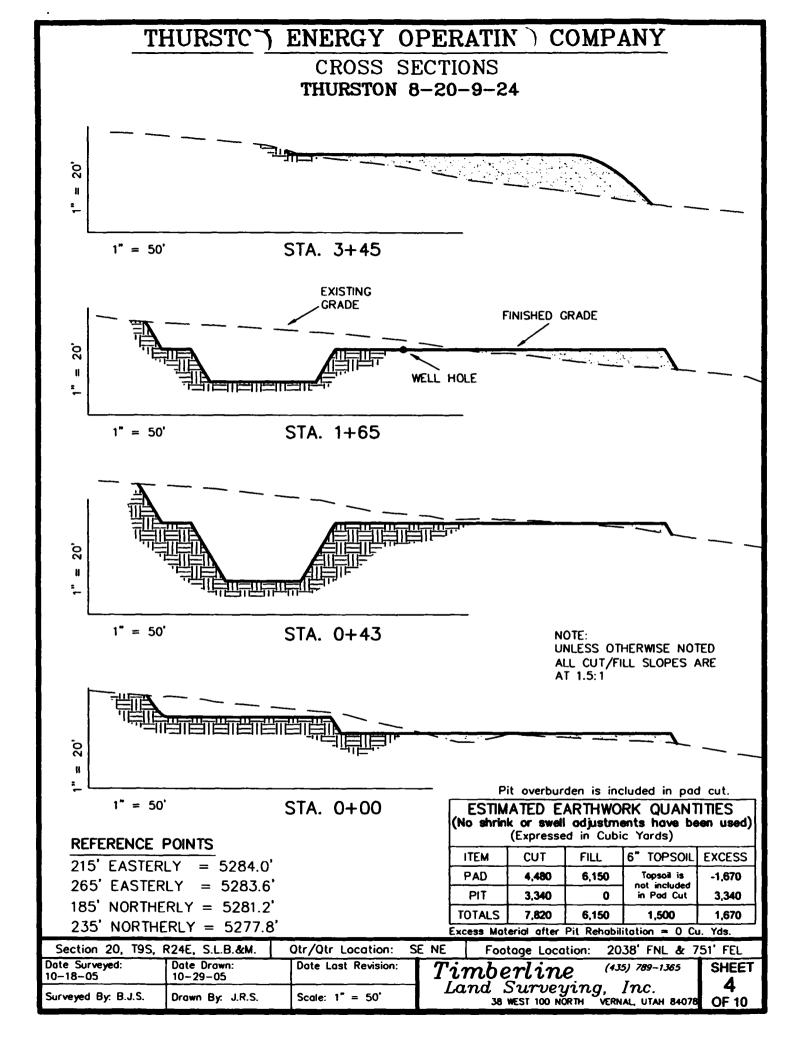
Thurston 8-20-9-24 SECTION 20, T9S, R24E, S.L.B.&M. 2038' FNL & 751' FEL

LOCATION PHOTOS		DATE TAKEN: 10-18-05
		DATE DRAWN: 10-31-05
TAKEN BY: K.R.K.	DRAWN BY: BJ.Z.	REVISED: 11-1-05 BJ.Z.

Timberline Land Surveying, Inc.
38 West 100 North Vernal, Utah 84078
(435) 789-1365

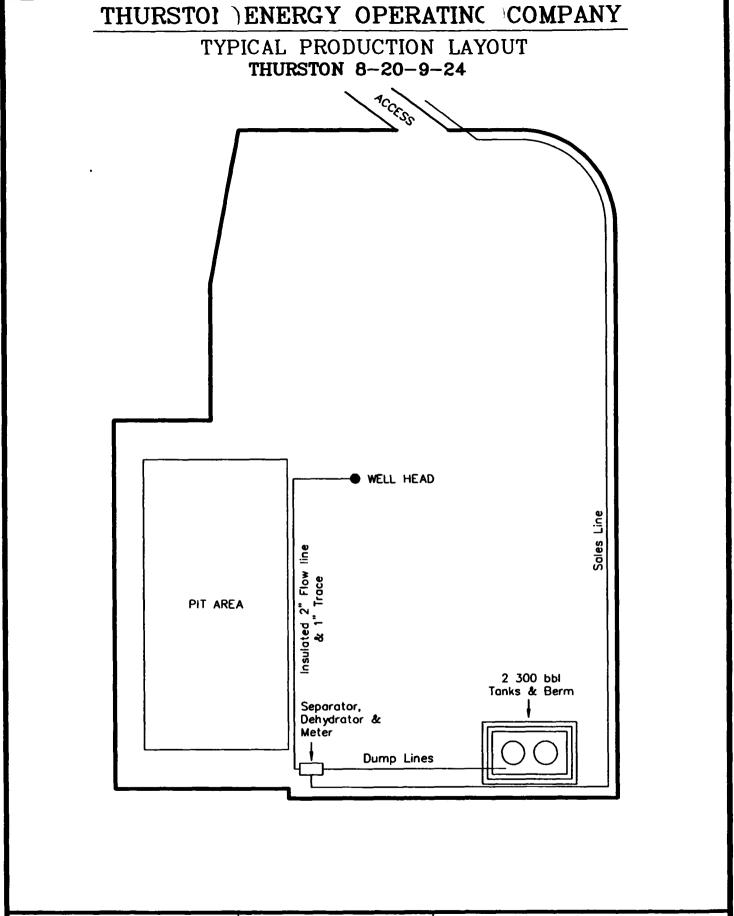
SHEET 1 OF 10



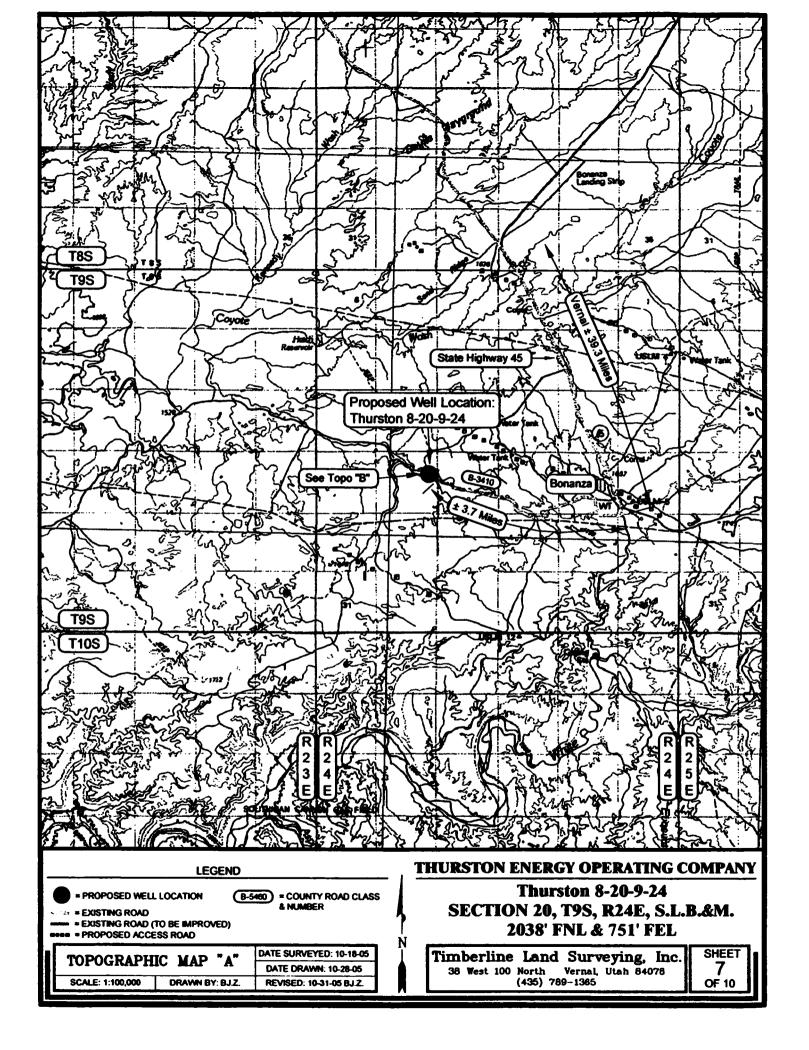


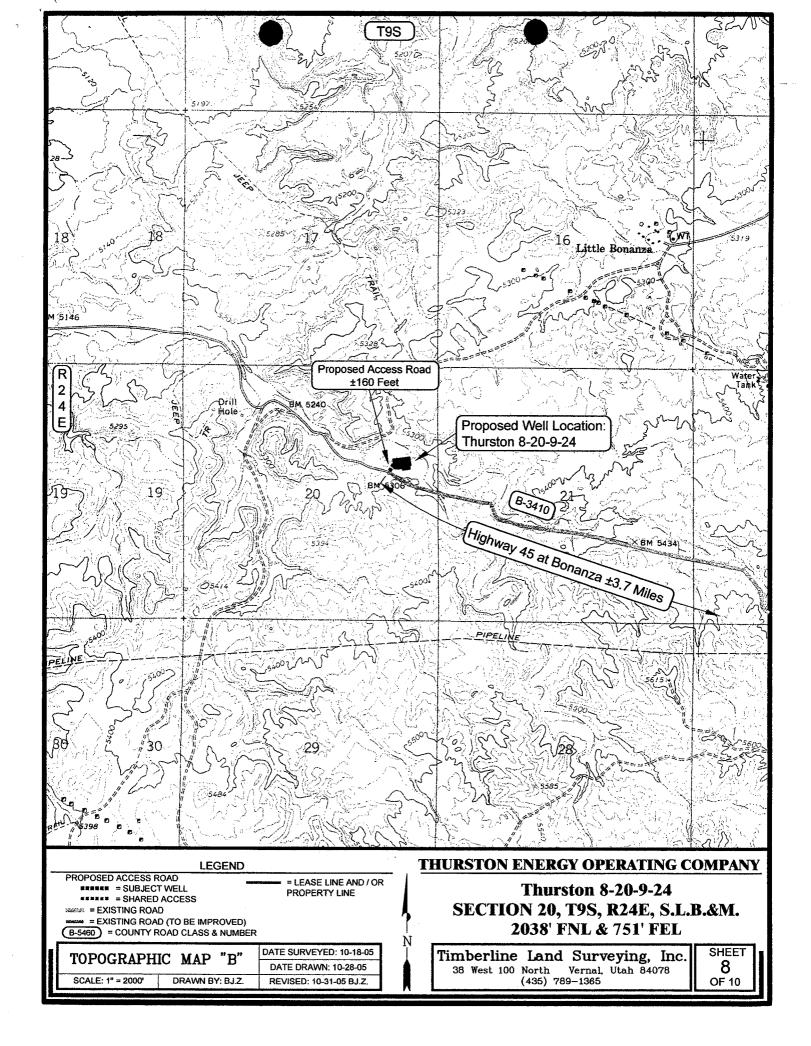
## THURSTO: ) ENERGY OPERATING COMPANY TYPICAL RIG LAYOUT THURSTON 8-20-9-24 PROPOSED ACCESS ROAD 60' 90, 9 50' DOG HOUSE 135 WATER RIG TRAILER 140 MUD TANKS PUMP NOLUME: 12,400 bbis W / 2 Freeboard MUD TOILET [ 185 150 HOPPER 필 POWER TOOLS FUEL Slope: 1 1/2:1 STORAGE

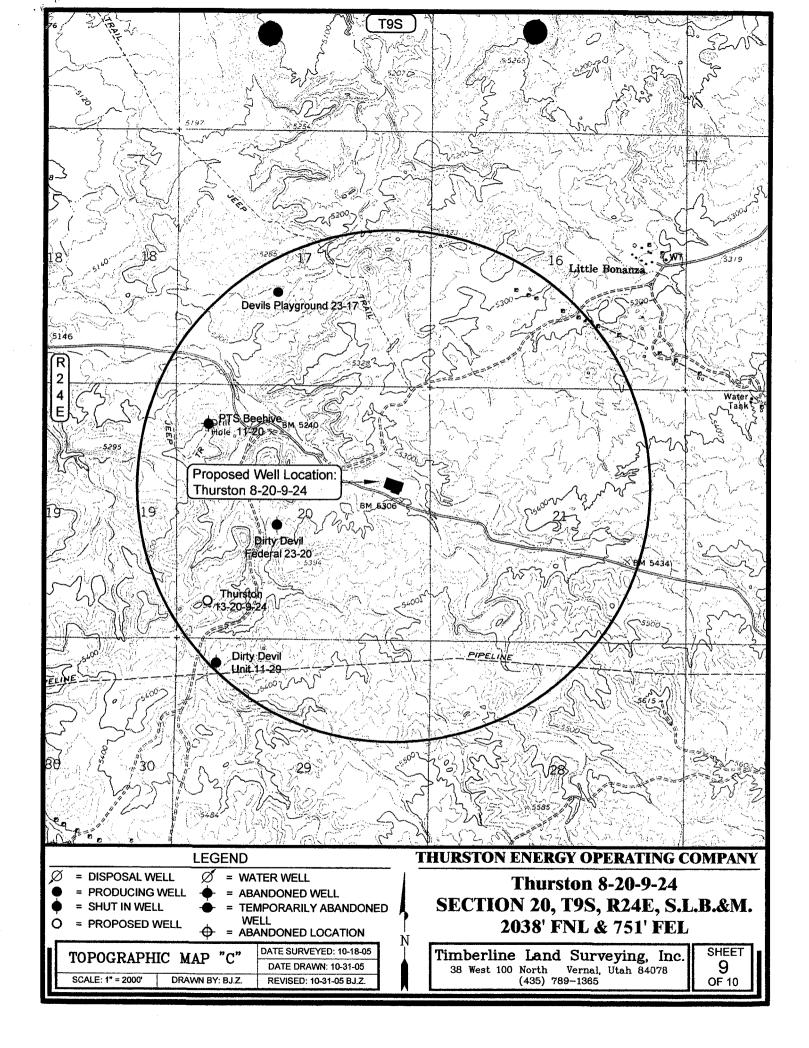
Section 20, T9S,	R24E, S.L.B.&M.	Qtr/Qtr Location:	SE NE	Footage Location:	2038' FNL & 7	51' FEL
Date Surveyed: 10-18-05	Date Drawn: 10-29-05	Date Last Revision:		mberline	(435) 789~1365	SHEET
Surveyed By: B.J.S.	Drawn By: J.R.S.	Scale: 1" = 50'	La	nd Surveying	I, INC. VERNAL, UTAH 84078	OF 10

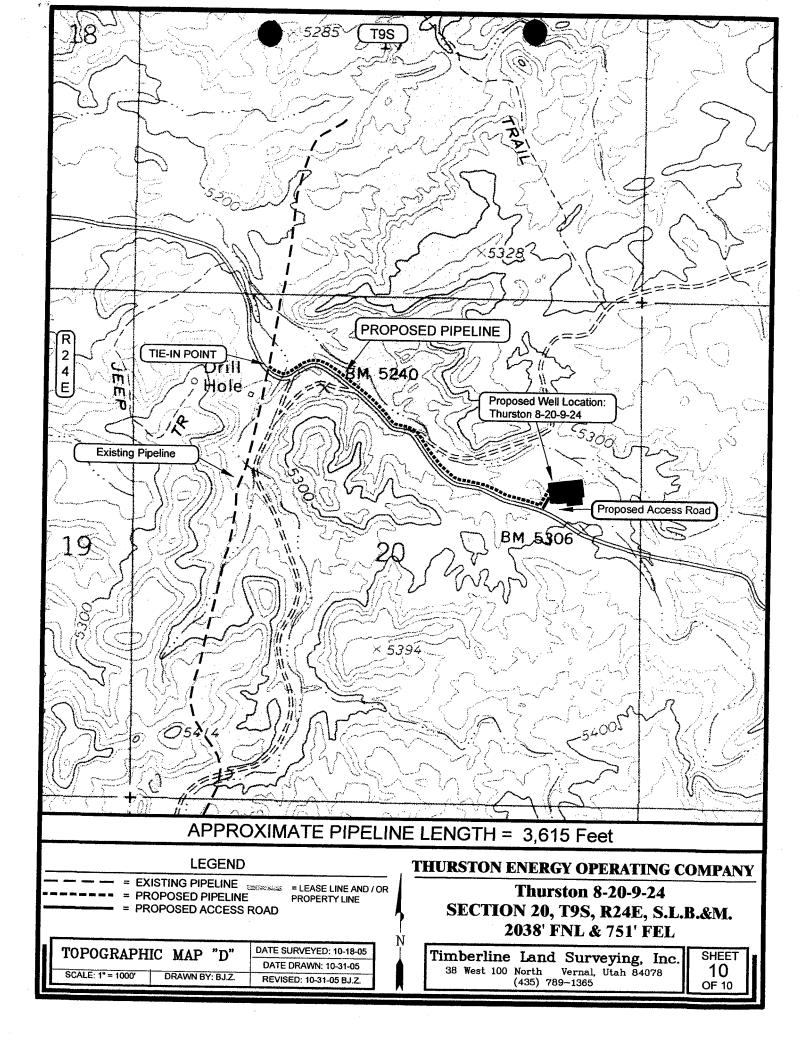


Section 20, T9S,	R24E, S.L.B.&M.	Qtr/Qtr Location:	SE NE	Footage Location:	2038' FNL & 75	51' FEL
Date Surveyed: 10-18-05	Date Drawn: 10-29-05	Date Last Revision:		mberline.	(435) 789-1365	SHEET
Surveyed By: B.J.S.	Drawn By: J.R.S.	Scale: 1" = 50'	La	nd Surveying	, <i>INC.</i> Vernal, utah 84078	OF 10_



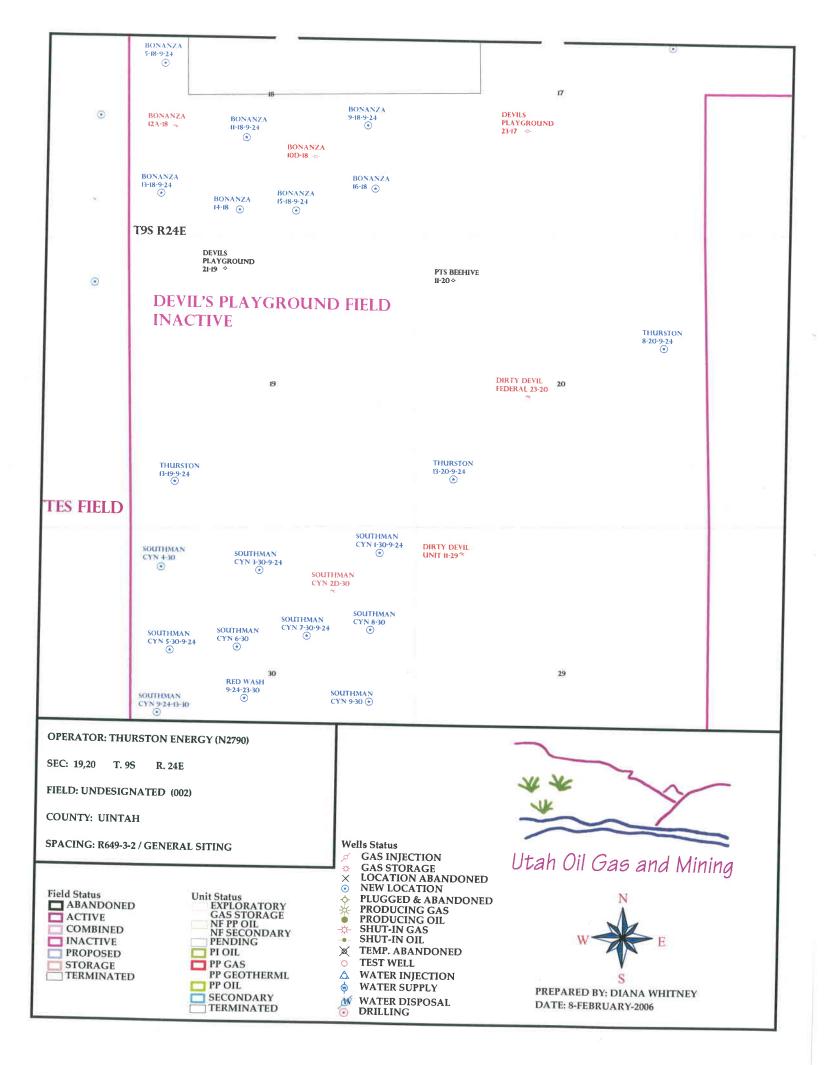






## WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVE	D: 02/06/2007		API NO. ASSIG	NED: 43-047	7-37709 ——————
WELL NAME:	THURSTON 8-20-9-24				
OPERATOR:	THURSTON ENERGY ( N2790 )		PHONE NUMBER:	435-789-096	8
CONTACT:	BILL RYAN				
PROPOSED LO	CATION:		INSPECT LOCATN	BY: /	/
	00 090S 240B		Tech Review	Initials	Date
	2038 FNL 0751 FEL 2038 FNL 0751 FEL		Engineering		
COUNTY:	UINTAH		Geology		
LATITUDE:	40.02301 LONGITUDE: -109.2305		Sumfa as		
	EASTINGS: 651001 NORTHINGS: 44316		Surface		
FIELD NAM	E: UNDESIGNATED ( 2	)			
	n m. 3				
	1 - Federal		PROPOSED FORMAT	'ION: MVR	n
	R: U-31266 UER: 1 - Federal		COALBED METHANE		
SURFACE OWN	BR: 1 ~ Federal		COALBED METRANE		
RECEIVED AN	D/OR REVIEWED:	LOCATI	ON AND SITING:		
Plat		R	649-2-3.		
Bond:	Fed[1] Ind[] Sta[] Fee[]	Mait.			
(No.	UTB-000181)	_			
_N Potas	sh (Y/N)		649-3-2. Genera		
_N_ 0il s	Shale 190-5 (B) or 190-3 or 190-13	Siting: 460 From Qtr/Qtr & 920' Between Wells			
Water		R649-3-3. Exception			
	T75376 )	Drilling Unit			
	Review (Y/N)	Board Cause No:			
(Dat	· · · · · · · · · · · · · · · · · · ·	Eff Date:			
Fee S	Surf Agreement (Y/N)		Siting:		
<u>Kip</u> Inter	nt to Commingle (Y/N)	R	649-3-11. Dire	ctional Dri	11
COMPANIES :				<del></del>	
COMMENTS: _		_			
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CONTINUE ACTION		$\widehat{}$			
STIPULATIONS: 1- tede (16) (Ligarian)					
	2-OSpaces Strp				





State of Utah

#### Department of Natural Resources

MICHAEL R. STYLER Executive Director

Division of Oil, Gas & Mining

JOHN R. BAZA
Division Director

JON M. HUNTSMAN, JR. Governor

GARY R. HERBERT Lieutenant Governor

February 9, 2006

Thurston Energy Operating Company P O Box 240 Vernal, UT 84078

Re: Thurston 8-20-9-24 Well, 2038' FNL, 751' FEL, SE NE, Sec. 20, T. 9 South,

R. 24 East, Uintah County, Utah

#### Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann.§ 40-6-1 et seq., Utah Administrative Code R649-3-1 et seq., and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-37709.

Sincerely,

Gil Hunt

Associate Director

Silate

pab Enclosures

cc:

**Uintah County Assessor** 

Bureau of Land Management, Vernal District Office

Operator:	Thurston Energy Operating Company			
Well Name & Number	Thurston 8-20-9-24			
API Number:	43-047-37709			
Lease:	U-31266			
Location: SE NE	Sec20_	T. 9 South	<b>R.</b> 24 East	

#### **Conditions of Approval**

#### 1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

#### 2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

• Contact Dan Jarvis at (801) 538-5338

#### 3. Reporting Requirements

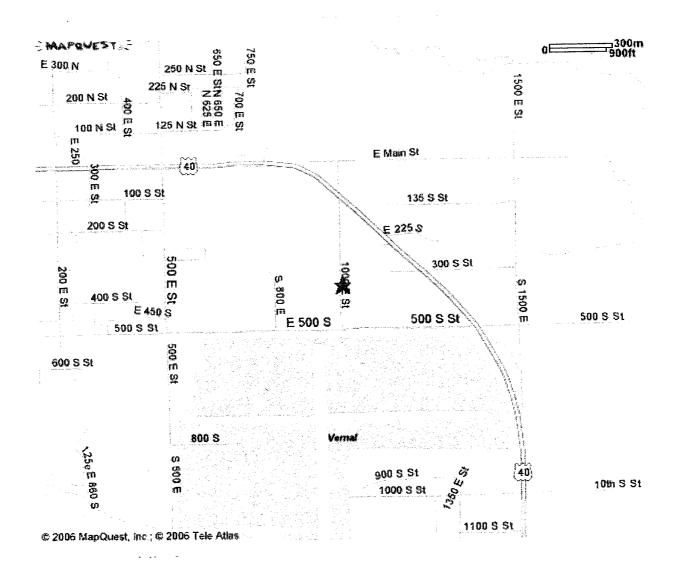
All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

- 4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.
- 5. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

FORM/3160-5	<b>C.</b> 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	D STATES	FORM APPROVED
(Juné 1990)		OF THE INTERIOR	Budget Bureau No. 1004-0135
	BUREAU LA	ND MANAGEMENT	Expires: March 31, 1993
•			5. Lease Designation and Serial No.
SUNDRY NOTICES AND REPORTS ON WELLS			UTU-31266
		deepen or reenter a different reservoir.	6. If Indian, Allottee or Tribe Name
<b>50 1101 400</b>	Use "APPLICATION FOR PERM		
	USE APPLICATION FOR PERM	iii - loi sucii proposais	na
			7. If Unit or CA, Agreement Designation
	SUBMIT IN TR	IPLICATE	na
1. Type of Well			
Oil	Gas		8. Well Name and No.
Well	X Well Other		Thurston 8-20-9-24
			9. API Well No.
2. Name of Oper		0	4304737709
	Thurston Energy Operating	Company	10. Field and Pool, or Exploratory Area
3. Address and T	elephone No. PO BOX 240 Vernal, UT 84078		undesignated 11. County or Parish, State
4 Location of We	ell (Footage, Sec., T., R., M., or Survey I	Description)	Tr. County or Pansh, State
2038' FNL 8	R 751' EEI		Uintah Utah
	95 74	9 Sec 20	
12.		X(es) TO INDICATE NATURE OF NOT	ICE, REPORT, OR OTHER DATA
T\	PE OF SUBMISSION	TYF	PE OF ACTION
	X Notice of Intent	Abandonment	X Change of Plans
		Recompletion	New Construction
	Subsequent Report	Plugging Back	Non-Routine Fracturing
		Casing Repair	Water Shut-Off
	Final Abandonment Notice	Altering Casing	Conversion to Injection
		Other	Dispose Water
		(Note: Report results of multiple	·
40 D 2- D-		Completion or Recompletion Rep	
well is directi	onally drilled, give subsurface locations	and measured and true vertical depths for all	dates, including estimated date of starting any proposed markers and zones pertinent to this work.)* or drilling, cementing and completion. The new
			provided for the new source. Please see the
attache	d map for additional details. The	address of the tap is Dalbo/A-1 Tan	k at 355 South 1000 East Vernal, UT 84078.
14. I hereby o	certify that the foregoing is true	nd correct	
Signed	William 6, 140	Title Agent	Date 07/19/06
	or Federal or State office use)		
Approved by	or Federal or State office use)	Title	Date
· · · · · · · · · · · · · · · · · · ·	approval, if any:		
233	The second is seen to		
			agency of the United States andy false, fictitious or fraudulent
statements or re	presentations as to any mater within its jurisdic	CHOIL	RECEIVED

\*See Instructions on Reverse Side

JUL 2 8 2006



APPROVED BY

CONDITIONS OF APPROV

(formerly 9-331c)		ITED S	TATES		
			HE INTERIOR		5. LEASE DESIGNATION AND SERIAL NO.
		AU OF LAND M			U-31266
	ATION FOR PE	RMIT TO DE	RILL, DEEPEN, OR	PLUG BACK	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
	RILL X	DEEPEN	PLUG BA	ск 🗌	7. UNIT AGREEMENT NAME
B TYPE OF WELL OIL WELL	GAS X	OTHER	ZONE MULTIPLE ZONE	x	B. FARM OR LEASE NAME  na
2. NAME OF OPERA Thurs	ton Energy Oper	ating Compa	IN DECE	IVED	9 WELL NO. Thurston 8-20-9-24
3. ADDRESS OF OP			TLUL	onne	10. FIELD OR LEASE NAME Undesignated
	ELL (Report location clearly and i	=	itate requirement)	7000	11. Sec., T., R., M., OR BLK
	88' FNL & 751' FEL	_	42,1117,2	77~3	AND SURVEY OR AREA
At proposed prod.  14. DISTANCE IN MI	Zone Same as LES AND DIRECTION FROM NE		ST OFFICE	1101	Sec. 20, T9S, R24E
	es south of Vernal,				Uintah Utah
	I PROPOSED LOC. TO NEARES parest drig. Unit line, if any)	ST PROP. OR LEASE	16. NO. OF ACRES IN LEASE	17: NO: OF ACI	RES ASSIGNED /ELL
<u>751'</u>			1,594		40
	M PROPOSED LOCATION * , DRILLING COMPLETED.		19. PROPOSED DEPTH	20. ROTARY O	R CABLE TOOLS
OR APPLIED FOR, O		2,500'	8,000	Rotar	· · · · · · · · · · · · · · · · · · ·
•	DW WHETHER DF, RT, GR, etc.			· · · · · · · · · · · · · · · · · · ·	22. APPROX. DATE WORK WILL START 4/30/06
075.05.0	OLE 1 0175 OF 0401NO	PROPOSED CA	SING AND CEMENT PROGR		V 05 05 MS
SIZE OF H		36#	SETTING DEPTH 2000'	180 s	Y OF CEMENT
7 7	/8" 5 1/2"	17#	T.D.	808 s	ks
Wi 29 Ve 43	point plan and Illiam A Ryan 0 S 800 E rnal, UT 84078 5-789-0968	13 point pla		DIV. ed productive zone and pro	
24 SIGNATUF	William A.	Ryan	Agent		DATE
(This space	e for Federal or State Office use				
		_			

\*See Instructions on Reverse Side

Assistant Field Manager

ands & Mineral Resources DATE

11-30 2006

Title 18 U. S. C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.



## UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT VERNAL FIELD OFFICE

VERNAL, UT 84078

(435) 781-4400



#### CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company: Thurston Energy Operating Company Location: SENE, Sec. 20, T9S, R24E

Well No: Thurston 8-20-9-24 Lease No: UTU-31266

API No: 43-047-37709 Agreement: N/A

170 South 500 East

Petroleum Engineer: Matt Baker Office: 435-781-4490 Cell: 435-828-4470 Petroleum Engineer: Office: 435-781-4432 Michael Lee Cell: 435-828-7875 Supervisory Petroleum Technician: Jamie Sparger Office: 435-781-4502 Cell: 435-828-3913 Environmental Scientist: Paul Buhler Office: 435-781-4475 Cell: 435-828-4029 Environmental Scientist: Karl Wright Office: 435-781-4484 Natural Resource Specialist: Holly Villa Office: 435-781-4404 Natural Resource Specialist: Melissa Hawk Office: 435-781-4476 Natural Resource Specialist: Charles Sharp Office: 435-781-4441

Natural Resource Specialist: Scott Ackerman Office: 435-781-4437

After Hours Contact Number: 435-781-4513 Fax: 435-781-4410

## A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR FIELD REPRESENTATIVE TO INSURE COMPLIANCE

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. This permit is approved for a one-year period. An additional year extension may be applied for by sundry notice prior to expiration.

#### **NOTIFICATION REQUIREMENTS**

Location Construction - F
(Notify Holly Villa) - F

- Forty-Eight (48) hours prior to construction of location and access roads.

Location Completion (Notify Holly Villa)

- Prior to moving on the drilling rig.

Spud Notice (Notify Petroleum Engineer)

Twenty-Four (24) hours prior to spudding the well.

Casing String & Cementing (Notify Jamie Sparger SPT)

- Twenty-Four (24) hours prior to running casing and cementing all casing strings.

BOP & Related Equipment Tests (Notify Jamie Sparger SPT)

- Twenty-Four (24) hours prior to initiating pressure tests.

First Production Notice (Notify Petroleum Engineer)

- Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

Page 2 of 6 Well: Thurston 8-20-9-24 11/27/2006

#### SURFACE USE PROGRAM CONDITIONS OF APPROVAL (COAs)

- If paleontologic materials are uncovered during construction, the operator shall immediately stop work that might further disturb such materials and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation will be necessary for the discovered paleontologic material.
- The interim seed mix for this location shall be:

Crested wheatgrass

Agropyron cristatum

6 lbs. /acre

Needle and Threadgrass

Stipa comata

6 lbs. /acre

All pounds are in pure live seed.

- Reseeding may be required if first seeding is not successful.
- The topsoil from the reserve pit shall be stripped and piled separately near the reserve pit. When the reserve pit is closed, it shall be recontoured and the topsoil respread, and the area shall be seeded in the same manner as the location topsoil.
- Once the location is plugged and abandoned, it shall be recontoured to natural contours, topsoil
  respread where appropriate, and the entire location seeded with the recommended seed mix.
  Seeding shall take place by broadcasting the seed and walking it into the soil with a dozer
  immediately after the dirt work is completed.

Page 3 of 6 Well: Thurston 8-20-9-24

11/27/2006

#### DOWNHOLE CONDITIONS OF APPROVAL

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

#### SITE SPECIFIC DOWNHOLE CONDITIONS OF APPROVAL

• A Cement Bond Log (CBL) shall be run from the TD to the top of cement. A field copy of the CBL shall be submitted to the BLM Vernal Field Office for review.

#### DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well. Any changes in operation must have prior approval from the BLM, Vernal Field Office Petroleum Engineers.
- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the
  daily drilling report. Components shall be operated and tested as required by Onshore Oil &
  Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be
  performed by a test pump with a chart recorder and <u>NOT</u> by the rig pumps. Test shall be
  reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- The lessee/operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled and analyzed (a copy of the analyses to be submitted to the BLM Field Office in Vernal, Utah).
- All oil and gas shows shall be adequately tested for commercial possibilities, reported, and protected.

Page 4 of 6 Well: Thurston 8-20-9-24 11/27/2006

- The lessee/operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, etc.) to Peter Sokolosky or another geologist of the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) shall the BLM need to obtain additional information.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover
  equipment shall be removed from a well to be placed in a suspended status without prior
  approval of the BLM, Vernal Field Office. If operations are to be suspended for more than 30
  days, prior approval of the BLM, Vernal Field Office shall be obtained and notification given
  before resumption of operations.
- Chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a
  weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is
  completed.
- Any change in the program shall be approved by the BLM, Vernal Field Office. "Sundry Notices and Reports on Wells" (Form BLM 3160-5) shall be filed for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.
- Emergency approval may be obtained orally, but such approval does not waive the written report requirement. Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan pursuant to Onshore Oil & Gas Order No. 1 of 43 CFR 3164.1 and prior approval by the BLM, Vernal Field Office.
- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.
- A cement bond log (CBL) will be run from the production casing shoe to the surface casing shoe
  and shall be utilized to determine the bond quality for the production casing. Submit a field copy
  of the CBL to this office.
- Please submit an electronic copy of all other logs run on this well in LAS format to UT\_VN\_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of

Page 5 of 6 Well: Thurston 8-20-9-24 11/27/2006

paper logs to the BLM.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease shall have prior written approval from the BLM, Vernal Field Office.
- All measurement points shall be identified as point of sales or allocation for royalty determination prior to the installation of facilities.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The Field Office
  Petroleum Engineers will be provided with a date and time for the initial meter calibration and all
  future meter proving schedules. A copy of the meter calibration reports shall be submitted to
  the BLM, Vernal Field Office. All measurement facilities will conform to the API standards for
  liquid hydrocarbons and the AGA standards for natural gas measurement.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted
  to the BLM, Vernal Field Office within 30 days of installation or first production, whichever
  occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be
  adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively
  sealed in accordance with Onshore Oil & Gas Order No. 3.
- This APD is approved subject to the requirement that, shall the well be successfully completed for production, the BLM, Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
  - o Operator name, address, and telephone number.
  - o Well name and number.
  - Well location (¼¼, Sec., Twn, Rng, and P.M.).
  - Date well was placed in a producing status (date of first production for which royalty will be paid).
  - o The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
  - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
  - o Unit agreement and / or participating area name and number, if applicable.
  - o Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from Field Office Petroleum Engineers.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major

Page 6 of 6 Well: Thurston 8-20-9-24 11/27/2006

Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.

- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office
  Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in
  order that a representative may witness plugging operations. If a well is suspended or
  abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent
  Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual
  plugging of the well bore, showing location of plugs, amount of cement in each, and amount of
  casing left in hole, and the current status of the surface restoration.



State of Utah

## Department of Natural Resources

MICHAEL R. STYLER Executive Director

Division of Oil, Gas & Mining

JOHN R. BAZA
Division Director

JON M. HUNTSMAN, JR. Governor

GARY R. HERBERT Lieutenant Governor

March 13, 2007

Thurston Energy Operating Company P.O. Box 240 Vernal, UT 84078

Re:

APD Rescinded –Thurston 8-20-9-24 Sec. 20 T. 9 R. 24E

Uintah County, Utah API No. 43-047-37709

#### Gentlemen:

The Application for Permit to Drill (APD) for the subject well was approved by the Division of Oil, Gas and Mining (Division) on February 9, 2006. No drilling activity at this location has been reported to the division. Therefore, approval to drill the well is hereby rescinded, effective March 13, 2007.

A new APD must be filed with this office for approval <u>prior</u> to the commencement of any future work on the subject location.

If any previously unreported operations have been performed on this well location, it is imperative that you notify the Division immediately.

Sincerely,

Diana Mason

**Environmental Scientist** 

cc:

Well File

Bureau of Land Management, Vernal

orm 3160-5 August 2007)

## UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB No. 1004-0137 Expires: July 31, 2010

5. Lease Serial No. UTU-31266

Do not use this	NOTICES AND REP form for proposals Use Form 3160-3 (A	6. If Indian, Allottee or Tribe Name NA				
SUBMI	T IN TRIPLICATE - Othe	7. If Unit of CA/Agre	7. If Unit of CA/Agreement, Name and/or No.			
. Type of Well						
Oil Well Gas V	Well Other	8. Well Name and No Thurston 8-20-9-24	8. Well Name and No. Thurston 8-20-9-24			
Name of Operator hurston Energy Operating Compa	ny		9. API Well No. 4304737709			
a. Address		3b. Phone No. (include area code)	10. Field and Pool or	Exploratory Area		
90 South 800 East ernal, Utah 84078		(435)789-0968	Undesignated			
Location of Well (Footage, Sec., T. 038" FNL & 751" FEL SENE Sec. 20 T9S,	R., M., or Survey Descriptio	n)	11. Country or Parish	11. Country or Parish, State		
038 FNL & /51" FEL SENE SEC. 20 195,	124E		Uintah, Utah	Uintah, Utah		
12. CHE	CK THE APPROPRIATE B	OX(ES) TO INDICATE NATURE OF N	OTICE, REPORT OR OTH	IER DATA		
TYPE OF SUBMISSION		TYPE OF	ACTION			
✓ Notice of Intent	Acidize	Deepen	Production (Start/Resume)	Water Shut-Off		
	Alter Casing	Fracture Treat	Reclamation	Well Integrity		
Subsequent Report	Casing Repair	New Construction	Recomplete	Other		
	Change Plans	Plug and Abandon	Temporarily Abandon			
Final Abandonment Notice	Convert to Injection	Plug Back	Water Disposal			
the proposal is to deepen direction Attach the Bond under which the following completion of the invol	nally or recomplete horizonts work will be performed or p lved operations. If the opera l Abandonment Notices mus	ertinent details, including estimated starti ally, give subsurface locations and measu orovide the Bond No. on file with BLM/B tion results in a multiple completion or re to be filed only after all requirements, include	red and true vertical depths IA. Required subsequent recompletion in a new interval.	of all pertinent markers and zones. eports must be filed within 30 days al, a Form 3160-4 must be filed once		
The operator respectfully requests	a one year extension for	the subject location.		Arreira, and a second		
				R VERNAI 2007 NOV BUREAL B		

**RECEIVED** 

NOV 2 0 2007

	DIV. OF OIL, GAS & MINING
4. I hereby certify that the foregoing is true and correct. Name (Printed/Typed) Ginger Stringham	itle Agent
Signature of new Dimension D	ate 11/5/07
THIS SPACE FOR FEDER	AL OR STATE OFFICE USE
Approved by F. Calley	Petroleum Engineer Nov 0 7 2007
Conditions of approval, i any, are attached. Approval of this notice does not warrant or cert hat the applicant holds legal or equitable title to those rights in the subject lease which would notice the applicant to conduct operations thereon.	ify Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.



### **CONDITIONS OF APPROVAL**

## **Thurston Energy Operating Company**

#### **Notice of Intent APD Extension**

Lease:

UTU-31266

Well:

Thurston 8-20-9-24

Location:

SENE Sec 20 T9S R24E

An extension for the referenced APD is granted with the following conditions:

1. The extension and APD shall expire on 12/1/2008.

If you have any other questions concerning this matter, please contact Jim Ashley of this office at (435) 781-4470.

#### STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL, GAS AND MINING				5. LEASE DESIGNATION AND SERIAL NUMBER: U-31266	
SUNDRY	NOTICES AND REPORTS	ON WEL	LS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
Do not use this form for proposals to drill no drill horizontal la	new wells, significantly deepen existing wells below curn aterals. Use APPLICATION FOR PERMIT TO DRILL fo	ent bottom-hole dep orm for such proposa	th, reenter plugged wells, or to	7. UNIT or CA AGREEMENT NAME:	
1. TYPE OF WELL OIL WELL	☐ GAS WELL ✓ OTHER _			8. WELL NAME and NUMBER: Thurston 8-20-9-24	
2. NAME OF OPERATOR:				9. API NUMBER:	
Thurston Energy Operating	g Company			4304737709	
3. ADDRESS OF OPERATOR: 290 South 800 East	Y Vernal STATE UT 21P	84078	PHONE NUMBER: (435) 789-0968	10. FIELD AND POOL, OR WILDCAT:  Bonanza	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2038' F	FNL & 751' FEL			соинту: <b>Uintah</b>	
QTR/QTR, SECTION, TOWNSHIP, RANG	IGE, MERIDIAN: SENE 20 9S 24	4E		STATE: UTAH	
11. CHECK APPE	ROPRIATE BOXES TO INDICAT	E NATURE	OF NOTICE, REP	ORT, OR OTHER DATA	
TYPE OF SUBMISSION			YPE OF ACTION		
NOTICE OF INTENT	ACIDIZE	DEEPEN		REPERFORATE CURRENT FORMATION	
(Submit in Duplicate)	ALTER CASING	FRACTURE	TREAT	SIDETRACK TO REPAIR WELL	
Approximate date work will start:	CASING REPAIR	NEW CONS	TRUCTION	TEMPORARILY ABANDON	
	CHANGE TO PREVIOUS PLANS	OPERATOR	CHANGE	TUBING REPAIR	
	CHANGE TUBING	PLUG AND	ABANDON	VENT OR FLARE	
SUBSEQUENT REPORT	CHANGE WELL NAME	PLUG BACK	(	WATER DISPOSAL	
(Submit Original Form Only)	CHANGE WELL STATUS	PRODUCTION	ON (START/RESUME)	WATER SHUT-OFF	
Date of work completion:	COMMINGLE PRODUCING FORMATIONS		ION OF WELL SITE	✓ отнея: Extension	
	CONVERT WELL TYPE	RECOMPLETE - DIFFERENT FORMATION			
12 DESCRIPE PROPOSED OF CO	DMPLETED OPERATIONS. Clearly show all pe				
rne operator respectfully r	requests a one year APD approva		for the subject loca	tion.	
	Approved by the Utah Division of				
Oil, Gas and Mining					
	Date: 04-19-08	{			
COPY SENT TO OPERATOR					
By: 1008					
					Initials: <u>k</u>
NAME (PLEASE PRINT) Ginger Bo	wden	TITL	<sub>E</sub> Agent		
	Bourden			laulares	
SIGNATURE CHARLES	DUNIOUN)	DAT	E	19419008	

(This space for State use only)

**RECEIVED** APR 2 8 2008



### **Application for Permit to Drill Request for Permit Extension** Validation (this form should accompany the Sundry Notice requesting permit extension)

	4304737709 Thurston 8-20-9-24		
Location:	Sec. 20, T9S, R24E		
	mit Issued to: Permit Issued:	Thurston Energy Operating 2/9/2006	g Company
above, hereby	verifies that the	n legal rights to drill on t information as submitte mains valid and does n	
Following is a verified.	checklist of some	e items related to the ap	oplication, which should be
•	rivate land, has tl en updated? Yes	he ownership changed, □No☑	if so, has the surface
-		the vicinity of the propos nts for this location? Ye	sed well which would affect es⊟No☑
		er agreements put in pla eroposed well? Yes⊟N	ace that could affect the o☑
		to the access route incloroposed location? Yes	uding ownership, or right- □ No ☑
Has the appro-	ved source of wa	ter for drilling changed	? Yes□No☑
	iire a change in p	changes to the surface lans from what was dis	location or access route cussed at the onsite
Is bonding still	in place, which c	covers this proposed we	ell? Yes⊠No□
Signature Signature	Rowden		4/24/2008 Date
Title: Agent			
Representing:	Thurston Energy (	Operating CO	_
			RECEIVE

APR 2 8 2008



### United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Green River District-Vernal Field Office 170 South 500 East Vernal, UT 84078 (435) 781-4400 Fax: (435) 781-4410

http://www.blm.gov/ut/st/en/fo/yernal/html



IN REPLY REFER TO: 3160 **LLUTG01100** 

January 20, 2009

William A. Ryan, Agent

43,047.3770g Thurston Energy Operating Company

290 South 800 East

Vernal, UT 84078

Notice of Expiration Re:

Well No. Thurston 8-20-9-24

SENE, Sec. 20, T9S, R24E

Uintah County, Utah Lease No. UTU-31266

Dear Mr. Ryan:

The Application for Permit to Drill (APD) the above-referenced well was approved on November 30, 2006. A one (1) year extension of the original APD was requested on November 5, 2007. The request was reviewed and the extension approved until December 1, 2008. According to our records, no known activity has transpired at the approved location. In view of the foregoing, this office is notifying you that the approval of the referenced application has expired. If you intend to drill at this location in the future, a new Application for Permit to Drill must be submitted.

This office requires a letter confirming that no surface disturbance has been made for this drill site. Any surface disturbance associated with the approved location of this well is to be rehabilitated. A schedule for this rehabilitation must be submitted to this office. Your cooperation in this matter is appreciated.

If you have any questions regarding this matter, please contact me at (435) 781-4455.

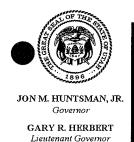
Sincerely,

Cindy Severson

Cindy Severson Land Law Examiner

**UDOGM** CC:

RECEIVED FEB 0 2 2009



## State of Utah

#### DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

June 3, 2009

Thurston Energy Operating Co. 290 South 800 East Vernal, UT 84078

Re:

APD Rescinded - Thurston 8-20-9-24, Sec.20, T.9S, R.24E

Uintah County, Utah API No. 43-047-37709

Ladies and Gentlemen:

The Application for Permit to Drill (APD) for the subject well was approved by the Division of Oil, Gas and Mining (Division) on May 3, 2007. On April 29, 2008, the Division granted a one-year APD extension. No drilling activity at this location has been reported to the division. Therefore, approval to drill the well is hereby rescinded, effective June 3, 2009.

A new APD must be filed with this office for approval <u>prior</u> to the commencement of any future work on the subject location.

If any previously unreported operations have been performed on this well location, it is imperative that you notify the Division immediately.

Sincerely,

Diana Mason

**Environmental Scientist** 

cc: Well File

Bureau of Land Management, Vernal

